

**ABSTRACT OF THE DISCLOSURE**

An improved method of nuclear transfer involving the transplantation of donor differentiated pig cell nuclei into enucleated pig oocytes is provided. The resultant nuclear transfer units are useful for multiplication of genotypes and transgenic genotypes by the production of fetuses and offspring. Production of genetically engineered or transgenic pig embryos, fetuses and offspring is facilitated by the present method since the differentiated cell source of the donor nuclei can be genetically modified and clonally propagated.